Volume Contents

NUMBER 1

R. Abdelmoula, N. Damil and **M. Potier-Ferry**	1	Influence of distributed and localized imperfections on the buckling of cylindrical shells under external pressure
X. Li and **L. M. Keer**	27	The growth of pressurized planar cracks between barriers
E. Suhir	41	Nonlinear dynamic response of a flexible thin plate to constant acceleration applied to its support contour, with application to printed circuit boards, used in avionic packaging
Carlos A. Felippa	57	Parametrized variational principles encompassing compressible and incompressible elasticity
R. E. Khayat, A. Derdouri and **A. Garcia-Réjon**	69	Inflation of an elastic cylindrical membrane: non-linear deformation and instability
Uğur Güven	89	The rotating shrink fit with elastic–plastic hub exhibiting variable thickness
Wilfried B. Krätzig and **Long-Yuan Li**	97	On rigorous stability conditions for dynamic quasi-bifurcations
K. Rohwer	105	Application of higher order theories to the bending analysis of layered composite plates
Hans C. Strifors and **Guillermo C. Gaunaurd**	121	Multipole character of the large-amplitude, low frequency resonances in the sonar echoes of submerged spherical shells
		Announcements
	131	IUTAM Symposium on Inverse Problems in Engineering Mechanics
	132	Euromech Meetings 1992

NUMBER 2

Han C. Wu and **C. Komarakulnanakorn**	135	On the limit case of endochronic theory
James Davidson Walker and **Efthymios Stefanos Folias**	145	Effect of stress waves on laminated composite plates
E. S. Folias	171	Boundary layer effects of interlaminar stresses adjacent to a hole in a laminated composite plate

P. S. Theocaris, S. K. Kourkoulis and N. P. Andrianopoulos 187 The von Mises plastically deformed enclave as heat source for running cracks

Muzaffer Sutcu 197 A recursive concentric cylinder model for composites containing coated fibers

Y. K. Cheung and **Changchun Wu** 215 A study on the stability of 3-field finite elements by the theory of zero energy modes

Kai Duan, Brian Cotterell and Yiu-Wing Mai 231 Stress intensity factor for ceramics toughened by micro-cracking caused by dilatant second phase particles

C. Y. Wang 243 Buckling and postbuckling of a long, hanging column lowered into a fluid

Claudia Comi and **Giulio Maier** 249 Extremum, convergence and stability properties of the finite-increment problem in elastic–plastic boundary element analysis

NUMBER 3

A. N. Galybin, A. V. Dyskin and A. M. Korsunsky 271 An investigation into the stress-field singularity at the mouth of a surface-breaking crack

C. O. Horgan 279 Void nucleation and growth for compressible non-linearly elastic materials: An example

Biao Wang 293 Three-dimensional analysis of an ellipsoidal inclusion in a piezoelectric material

Tomasz Lewiński 309 Homogenizing stiffnesses of plates with periodic structure

Tzu-Chiang Wang, C. Fong Shih and Zhigang Suo 327 Crack extension and kinking in laminates and bicrystals

Madhukar Vable and **Yikang Zhang** 345 A boundary element method for plate bending problems

K. Runesson, K. Axelsson and M. Klisinski 363 Characteristics of constitutive relations in soil plasticity for undrained behavior

Qingjie Zhang, Shiqi Li and Jijia Zheng 381 Dynamic response, buckling and collapsing of elastic–plastic straight columns under axial solid–fluid slamming compression—I. Experiments

NUMBER 4

Guoqi Zhu, Werner Goldsmith and C. K. H. Dharan 399 Penetration of laminated Kevlar by projectiles—I. Experimental investigation

Guoqi Zhu, Werner Goldsmith and C. K. H. Dharan 421 Penetration of laminated Kevlar by projectiles—II. Analytical model

K. Dems and **Z. Mróz**	437	Shape sensitivity analysis and optimal design of disks and plates with strong discontinuities of kinematic fields
M. Amestoy and **J. B. Leblond**	465	Crack paths in plane situations—II. Detailed form of the expansion of the stress intensity factors
Muzaffer Sutcu	503	Orthotropic and transversely isotropic stress–strain relations with built-in coordinate transformations
Moshe B. Fuchs	519	Analytic representation of member forces in linear elastic redundant trusses

NUMBER 5

S. Pietruszczak and **X. Niu**	531	A mathematical description of macroscopic behaviour of brick masonry
Frederic Y. M. Wan	547	Cylindrical bending of thick plates
A. C. Wijeyewickrema and **L. M. Keer**	559	Matrix crack interaction in a fiber-reinforced brittle matrix composite
N. P. O'Dowd, C. F. Shih and **M. G. Stout**	571	Test geometries for measuring interfacial fracture toughness
W.-L. Yin and **K. C. Jane**	591	Refined buckling and postbuckling analysis of two-dimensional delaminations—I. Analysis and validation
K. C. Jane and **W.-L. Yin**	611	Refined buckling and postbuckling analysis of two-dimensional delaminations—II. Results for anisotropic laminates and conclusion
Huoy-Shyi Tsay and **Herbert B. Kingsbury**	641	Influence of inertia and dissipative forces on the dynamic response of poroelastic materials
A. A. Khdeir, M. D. Rajab and **J. N. Reddy**	653	Thermal effects on the response of cross-ply laminated shallow shells

NUMBER 6

H. Lu and **T. J. Lardner**	669	Mechanics of subinterface cracks in layered material
B. Schieck, W. Pietraszkiewicz and **H. Stumpf**	689	Theory and numerical analysis of shells undergoing large elastic strains
S. M. Sargand, H. H. Chen and **Y. C. Das**	711	Method of initial functions for axially symmetric elastic bodies
A. Luongo and **M. Pignataro**	721	On the perturbation analysis of interactive buckling in nearly symmetric structures
K. R. Rajagopal and **M. M. Carroll**	735	Inhomogeneous deformations of non-linearly elastic wedges

H. Petryk and **K. Thermann** 745 On discretized plasticity problems with bifurcations

N. Rattanawangcharoen, A. H. Shah and **S. K. Datta** 767 Wave propagation in laminated composite circular cylinders

N. Kh. Arutyunyan and **A. D. Drozdov** 783 Phase transitions in nonhomogeneous, aging, viscoelastic bodies

Announcement

799 Fifth RILEM International Symposium on Creep and Shrinkage of Concrete "ConCreep 5"

NUMBER 7

K. T. Chau 801 Non-normality and bifurcation in a compressible pressure-sensitive circular cylinder under axisymmetric tension and compression

Jacek Błocki 825 A higher-order linear theory for isotropic plates—I. Theoretical considerations

Romuald Rzadkowski 837 A higher-order linear theory for isotropic plates—II. Numerical realization

D. Chen and **S. Cheng** 845 Torsional stress in tubular lap joints

Wenhua He and **R. S. Dhaliwal** 855 A problem of Reissner–Sagoci type for a finite elastic cylinder embedded in an elastic layer

Niels Sørensen 867 A planar type analysis of the elastic–plastic behaviour of continuous fibre-reinforced metal-matrix composites under longitudinal shearing and combined loading

C. A. Ie and **J. B. Kosmatka** 879 On the analysis of prismatic beams using first-order warping functions

Yoshiaki Goto, Yasuhito Watanabe, Toshihiro Kasugai and **Makoto Obata** 893 Elastic buckling phenomenon applicable to deployable rings

Fuling Dai, K. R. Rajagopal and **A. S. Wineman** 911 Non-uniform extension of a non-linear viscoelastic slab

Announcement

931 Final Call for U.S. Papers. 18th International Congress of Theoretical and Applied Mechanics

NUMBER 8

Liyong Tong, B. Tabarrok and **T. K. Wang** 933 Simple solutions for buckling of orthotropic conical shells

Huajian Gao and **Cheng-hsin Chiu** 947 Slightly curved or kinked cracks in anisotropic elastic solids

L. M. Brock, P. Matic and **V. G. DeGiorgi** 973 Early transient response during crack propagation in a weakly-coupled thermoelastic solid

N. N. Huang and **T. R. Tauchert** 991 Thermal stresses in doubly-curved cross-ply laminates

Ching S. Chang and **Lun Ma** 1001 Elastic material constants for isotropic granular solids with particle rotation

I. Y. Shen and **C. D. Mote, Jr** 1019 Parametric excitation under multiple excitation parameters: asymmetric plates under a rotating spring

Zhou Yong and **M. T. Hanson** 1033 Stress intensity factors for annular cracks in inhomogeneous isotropic materials

J. Novák and **D. Lauerová** 1051 Inhomogeneities in constitutive properties and initiation of shear bands in plane strain

Announcements and Call for Papers

1059 Z. P. Bazant of Northwestern to Head International Organization

1059 International Centre for Mechanical Sciences—Preliminary Programme 1992

1060 Second U.S. National Congress on Computational Mechanics

1062 Symposium on Adaptive, Multilevel and Hierarchical Computational Strategies

1062 Fifth International Conference on Underground Space and Earth Sheltered Structures

1063 Third International Symposium on Structural Crashworthiness and Failure

NUMBER 9

L. Librescu and **M.-Y. Chang** 1065 Imperfection sensitivity and postbuckling behavior of shear-deformable composite doubly-curved shallow panels

T. W. Shield and **K. S. Kim** 1085 Beam theory models for thin film segments cohesively bonded to an elastic half space

G. Bao, S. Ho, Z. Suo and **B. Fan** 1105 The role of material orthotropy in fracture specimens for composites

S. Kyriakides and **G. T. Ju** 1117 Bifurcation and localization instabilities in cylindrical shells under bending—I. Experiments

G. T. Ju and **S. Kyriakides** 1143 Bifurcation and localization instabilities in cylindrical shells under bending—II. Predictions

Ignacio Carol, Pere C. Prat and **Zdeněk P. Bažant** 1173 New explicit microplane model for concrete: Theoretical aspects and numerical implementation

NUMBER 10

Autar K. Kaw and **Glen H. Besterfield**	1193	Mechanics of multiple periodic brittle matrix cracks in unidirectional fiber-reinforced composites
R. Maaskant and **J. Roorda**	1209	Mode jumping in biaxially compressed plates
Richard M. Christensen and **Steven J. DeTeresa**	1221	Elimination/minimization of edge-induced stress singularities in fiber composite laminates
Wang Jianguo, Wang Xiuxi and **Huang Maokuang**	1233	Fundamental solutions and boundary integral equations for Reissner's plates on two parameter foundations
Z. Mróz and **R. H. Plaut**	1241	On the stability and post-critical behavior of elastic structures with dry friction
D. Karagiozova and **Norman Jones**	1255	Dynamic pulse buckling of a simple elastic–plastic model including axial inertia
Pin Lu and **Maoguang Huang**	1273	Boundary element analysis of shallow shells involving shear deformation
A. Gajewski and **P. Cupiał**	1283	Optimal structural design of an annular plate compressed by non-conservative forces
X. Wang and **S. J. Li**	1293	Analytic solution for interlaminar stresses in a multi-laminated cylindrical shell under thermal and mechanical loads
W. Yang and **J. P. Boehler**	1303	Micromechanics modelling of anisotropic damage in cross-ply laminates

NUMBER 11

Izhak Sheinman and **Yosi Reichman**	1329	A study of buckling and vibration of laminated shallow curved panels
Raul Cortes	1339	The growth of microvoids under intense dynamic loading
H.-P. Lee, S. P. Lim and **S. T. Chow**	1351	Effect of transverse shear deformation and rotary inertia on the natural frequencies of rectangular plates with cutouts
M. D. Sharma and **Tribhawan Saini**	1361	Pore alignment between two dissimilar saturated poroelastic media: Reflection and refraction at the interface
Maurice Touratier	1379	A generalization of shear deformation theories for axisymmetric multilayered shells
Maurice Touratier	1401	A refined theory of laminated shallow shells
Y. Weitsman and **A. I. Beltzer**	1417	An eccentric shear-lag model and implications on the strength of fibrous composites

A. S. M. Israil and **P. K. Banerjee** 1433 Advanced development of boundary element method for two-dimensional dynamic elasto-plasticity

J. R. Barber 1453 Letter to the Editor

J. D. Renton 1457 Author's Closure

Announcement and Calls for Papers

1459 ICOSSAR '93

1459 IABEM-92: Annual Meeting and Symposium

1460 Symposium on Shear Instabilities and Viscoplasticity Theories

1461 Tenth International CIB Symposium, Visions & Structures, Urbanism—Industry—Ecology

NUMBER 12

R. V. Craster and **C. Atkinson** 1463 Interfacial fracture in elastic diffusive media

László P. Kollár and **George S. Springer** 1499 Stress analysis of anisotropic laminated cylinders and cylindrical segments

László P. Kollár, Jocelyn M. Patterson and **George S. Springer** 1519 Composite cylinders subjected to hygrothermal and mechanical loads

K. M. Liew and **K. Y. Lam** 1535 Vibrational response of symmetrically laminated trapezoidal composite plates with point constraints

Lingwei Guan and **Andrew Norris** 1549 Elastic wave scattering by rectangular cracks

George A. Lesieutre 1567 Finite elements for dynamic modeling of uniaxial rods with frequency-dependent material properties

Hong Teng 1581 Effective longitudinal shear modulus of a unidirectional fiber composite containing interfacial cracks

NUMBER 13

Toshio Nakamura and **David M. Parks** 1597 Determination of elastic T-stress along three-dimensional crack fronts using an interaction integral

N. A. Fleck, H. Otoyo and **A. Needleman** 1613 Indentation of porous solids

Raul Cortés 1637 Dynamic growth of microvoids under combined hydrostatic and deviatoric stresses

Carmine Trimarco 1647 The electric capacitance of a rigid dielectric structure

J. L. Beuth, Jr 1657 Cracking of thin bonded films in residual tension

1677 Corrigenda

NUMBER 14/15

GEORGE HERRMANN 70th ANNIVERSARY ISSUE

	1679	Dedication
S. Nemat-Nasser and C. R. Steele	1681	Preface
	1683	Attendees
Heinz W. Bargmann	1685	The mechanics of erosion by liquid and solid impact
A. Chudnovsky and Shaofu Wu	1699	Evaluation of energy release rate in the crack–microcrack interaction problem
S. K. Datta, T.-H. Ju, R. L. Bratton and A. H. Shah	1711	Transient response of a laminated composite plate: results from homogenization and discretization
F. D. Fischer and K. Tanaka	1723	A micromechanical model for the kinetics of martensitic transformation
M. J. Forrestal, V. K. Luk, Z. Rosenberg and N. S. Brar	1729	Penetration of 7075-T651 aluminum targets with ogival-nose rods
Sanjay Govindjee and Juan C. Simo	1737	Mullins' effect and the strain amplitude dependence of the storage modulus
J.-C. Grandidier, G. Ferron and M. Potier-Ferry	1753	Microbuckling and strength in long-fiber composites: Theory and experiments
D. Gross and Ch. Zhang	1763	Wave propagation in damaged solids
M. Hayes	1781	Special circles in mechanics
K. P. Herrmann and M. Dong	1789	Thermal cracking of two-phase composite structures under uniform and non-uniform temperature distributions
R. Heuer, H. Irschik, P. Fotiu and F. Ziegler	1813	Nonlinear flexural vibrations of layered plates
L. M. Keer and C. H. Kuo	1819	Cracking in a loaded, brittle elastic half-space
Joseph Kestin	1827	Local-equilibrium formalism applied to mechanics of solids
Dusan Krajcinovic, Kaushik Mallick, Michal Basista and Dragoslav Sumarac	1837	Elastic moduli of perforated plates in the neighborhood of critical state
E. Kröner	1849	The internal mechanical state of solids with defects
S. C. Lin, C. C. Yang, T. Mura and T. Iwakuma	1859	Average elastic–plastic behavior of composite materials

P. Lipinski, A. Naddari and **M. Berveiller**	1873	Recent results concerning the modelling of polycrystalline plasticity at large strains
Xanthippi Markenscoff and **John Dundurs**	1883	Amplification of stresses in thin ligaments
Gérard A. Maugin, Marcelo Epstein and **Carmine Trimarco**	1889	Pseudomomentum and material forces in inhomogeneous materials
S. Minagawa, K. Yoshihara and **S. Nemat-Nasser**	1901	Analysis of harmonic waves in a composite material with piezoelectric effect
W. H. Müller and **S. Schmauder**	1907	On the behavior of r- and ϑ-cracks in composite materials under thermal and mechanical loading
H. Murakami, T. J. Impelluso and **G. A. Hegemier**	1919	Development of a mixture model for nonlinear wave propagation in fiber-reinforced composites
L. Ni and **S. Nemat-Nasser**	1939	An analytic solution for interacting interface cracks in anisotropic dissimilar materials
Vladimir Z. Parton and **Alexander L. Kalamkarov**	1947	The general homogenized composite shell model and the applications
Hajrudin Pašić	1957	A unified approach of fracture and damage mechanics to fatigue damage problems
Lajos Pomázi	1969	On the stability and postbuckling behaviour of multilayered sandwich-type plates
D. R. S. Talbot and **J. R. Willis**	1981	Some simple explicit bounds for the overall behaviour of nonlinear composites
T. C. T. Ting	1989	Interface cracks in anisotropic elastic bimaterials—a decomposition principle
	2005	A list of publications by George Herrmann

NUMBER 16

Wiktor Gambin	2013	Refined analysis of elastic–plastic crystals
S. T. Raveendra and **P. K. Banerjee**	2023	BEM analysis of free vibration problems using polynomial particular integrals
John H. Maddocks and **Reza Malek-Madani**	2039	Steady-state shear-bands in thermo-plasticity—I. Vanishing yield stress
Guo Zhong-heng and **Chi-Sing Man**	2063	Conjugate stress and tensor equation $\sum_{r=1}^{m} \mathbf{U}^{m-r}\mathbf{X}\mathbf{U}^{r-1} = \mathbf{C}$

Chyanbin Hwu 2077 Thermoelastic interface crack problems in dissimilar anisotropic media

R. H. Plaut and **Z. Mróz** 2091 Uni-directional buckling of a pinned elastica with external pressure

Moshe B. Fuchs 2101 The explicit inverse of the stiffness matrix

2115 Corrigenda

Announcement
2117 ICOSSAR '93

NUMBER 17

C. R. Calladine and **S. Pellegrino** 2119 Further remarks on first-order infinitesimal mechanisms

Davide Bigoni and **Daniele Zaccaria** 2123 Strong ellipticity of comparison solids in elastoplasticity with volumetric non-associativity

N. Aravas 2137 Finite elastoplastic transformations of transversely isotropic metals

P. D. Panagiotopoulos 2159 Fractal geometry in solids and structures

E. Reissner 2177 A note on finite twisting and transverse bending of shear deformable orthotropic plates

Stefan Jansson 2181 Homogenized nonlinear constitutive properties and local stress concentrations for composites with periodic internal structure

A. Young, D. P. Rooke and **D. J. Cartwright** 2201 Analysis of patched and stiffened cracked panels using the boundary element method

NUMBER 18

L. M. Brock 2217 Transient thermal effects in edge dislocation generation near a crack edge

R. Khen and **M. B. Rubin** 2235 Analytical modelling of second order effects in large deformation plasticity

Jeng-Shian Chang and **Chiang-Ho Cheng** 2259 Thermoelastic properties of composites with short coated fibers

Nicolas Triantafyllidis and **Ralf Peek** 2281 On stability and the worst imperfection shape in solids with nearly simultaneous eigenmodes

S. T. Raveendra and **P. K. Banerjee** 2301 Boundary element analysis of cracks in thermally stressed planar structures

NUMBER 19

S. Murakami and **M. Mizuno**	2319	A constitutive equation of creep, swelling and damage under neutron irradiation applicable to multiaxial and variable states of stress
G. deBotton and **P. Ponte Castañeda**	2329	On the ductility of laminated materials
M. R. Karim, M. A. Awal and **T. Kundu**	2355	Elastic wave scattering by cracks and inclusions in plates: In-plane case
Chyanbin Hwu	2369	Polygonal holes in anisotropic media
Ralf Peek and **Nicolas Triantafyllidis**	2385	Worst shapes of imperfections for space trusses with many simultaneously buckling members
Y. Eugene Pak	2403	Circular inclusion problem in antiplane piezoelectricity
		Announcement
	2421	ICOSSAR '93

NUMBER 20

P. K. Banerjee and **D. P. Henry**	2423	Elastic analysis of three-dimensional solids with fiber inclusions by BEM
James G. Simmonds	2441	An asymptotic analysis of end effects in the axisymmetric deformation of elastic tubes weak in shear: Higher-order shell theories are inadequate and unnecessary
Udo Gamer	2463	A concise treatment of the shrink fit with elastic–plastic hub
Huajian Gao, Cheng-hsin Chiu and **Jin Lee**	2471	Elastic contact versus indentation modeling of multi-layered materials
J. R. Yeh	2493	The effect of interface on the transverse properties of composites
Q. Zhang, S. Mukherjee and **A. Chandra**	2503	Shape design sensitivity analysis for geometrically and materially nonlinear problems by the boundary element method
Ali R. Atilgan and **Dewey H. Hodges**	2527	On the strain energy of laminated composite plates
W. Dmitriyuk	2545	The static stability problems of an elastic continuum subjected to follower-type loading
Dallas W. Meyer, Reid F. Cooper and **Michael E. Plesha**	2563	Rheological modeling of ceramic composites: An indirect method of interfacial mechanical property measurements
H. Fan, L. M. Keer and **T. Mura**	2583	Inhomogeneity problem revisited via the modulus perturbation approach

Announcements

2595 Specialists' Conference on Fatigue of Aircraft Materials

2596 2nd International Conference on Nonlinear Mechanics

NUMBER 21

I. V. Simonov 2597 Theory of dynamic bending of thin elastic high non-homogeneous plates

Horacio Sosa 2613 On the fracture mechanics of piezoelectric solids

Shixiang Shi, Eric H. Jordan and **Kevin P. Walker** 2623 Self-consistent constitutive modeling and testing of poly-crystalline Hastelloy-X

T. Ye, Z. Suo and **A. G. Evans** 2639 Thin film cracking and the roles of substrate and interface

A. Agah-Tehrani and **H. Teng** 2649 Analysis of fiber motion during wet filament winding of composite cylinders with arbitrary thickness

M. T. Hanson 2669 Interaction between an infinitesimal glide dislocation loop coplanar with a penny-shaped crack

Announcement

2687 Third Asia–Pacific Symposium on Wind Engineering

NUMBER 22

P. R. Heyliger and **A. Jilani** 2689 The free vibrations of inhomogeneous elastic cylinders and spheres

Carlos A. Felippa 2709 Parametrized variational principles for micropolar elasticity

Yoshihiro Tomita and **Youngsuk Kim** 2723 Bifurcation behaviour of bilayered tubes subjected to uniform shrinkage under plane strain condition

X. Li and **L. M. Keer** 2735 A direct method for solving crack growth problems—I

X. Li and **L. M. Keer** 2749 A direct method for solving crack growth problems—II. Shear mode problems

Yu. I. Mescheryakov and **S. A. Atroshenko** 2761 Multiscale rotations in dynamically deformed solids

Kiyohiro Ikeda, Ichiro Ario and **Kunio Torii** 2779 Block-diagonalization analysis of symmetric plates

J. Pan and **C. F. Shih** 2795 Elastic–plastic analysis of combined mode I, II and III crack-tip fields under small-scale yielding conditions

NUMBER 23

Yuan N. Li and **Ann P. Hong**	2815	Prediction of failure in notched infinite strips by the cohesive crack model
Deborah D. Mason, Chung-Yuen Hui and **S. Leigh Phoenix**	2829	Stress profiles around a fiber break in a composite with a nonlinear, power law creeping matrix
Yasuhide Shindo and **Yasushi Atobe**	2855	Electromagnetic twisting of a Mindlin plate with a through crack
S. Li and **S. R. Reid**	2867	On the symmetry conditions for laminated fibre-reinforced composite structures
H. D. Bui, H. Maigre and **D. Rittel**	2881	A new approach to the experimental determination of the dynamic stress intensity factor
T. P. Harrigan and **J. J. Hamilton**	2897	Optimality conditions for finite element simulation of adaptive bone remodeling
G. J. Dvorak and **Y. Benveniste**	2907	On the thermomechanics of composites with imperfectly bonded interfaces and damage
C. W. Woo and **D. L. Li**	2921	A general stochastic dynamic model of continuum damage mechanics
Colin M. Sayers	2933	Elastic anisotropy of short-fibre reinforced composites
L. J. Sluys and **R. de Borst**	2945	Wave propagation and localization in a rate-dependent cracked medium—model formulation and one-dimensional examples
J. S. Lee and **E. N. Its**	2959	Green's function and energy integrals for magneto-elastic surface waves in perfectly conducting media
S. Anantha Ramu, R. Ganesan and **T. S. Sankar**	2973	Stability analysis of stochastically parametered non-conservative columns
A. Carini and **O. De Donato**	2989	Fundamental solutions for linear viscoelastic continua
B. Tabarrok and **Y. Xiong**	3011	A spatially curved and twisted rod element for buckling analysis
Alfred Zmitrowicz	3025	A constitutive modelling of centrosymmetric and non-centrosymmetric anisotropic friction
Alfred Zmitrowicz	3045	Illustrative examples of centrosymmetric and non-centrosymmetric anisotropic friction
		Announcement
	3061	Euromech Meetings in 1993 and 1994

NUMBER 24

Se Bin Im and **Byung Man Kwak**	3065	Periodic loading in frictional contact formulated by complementarity
K. M. Liew	3087	A hybrid energy approach for vibrational modelling of laminated trapezoidal plates with point supports
J. Lubliner and **V. P. Panoskaltsis**	3099	The modified Kuhn model of linear viscoelasticity
D. B. Popejoy, L. R. Dharani and **H. Tang**	3113	Crack growth at interfaces in bimaterial systems and composites
Larry A. Taber	3125	Axisymmetric deformation of poroelastic shells of revolution
E. Suhir	3145	Free vibrations of a fused biconical taper lightwave coupler
A. J. Willson and **P. J. Myers**	3153	The longitudinal vibrations of an elastic cylinder under large axial and normal tractions
Iradj G. Tadjbakhsh and **Y. M. Wang**	3169	Fiber buckling in three-dimensional periodic-array composites
H. Costa Mattos, M. Frémond and **E. N. Mamiya**	3185	A simple model of the mechanical behavior of ceramic-like materials
C. L. Tan, Y. L. Gao and **F. F. Afagh**	3201	Boundary element analysis of interface cracks between dissimilar anisotropic materials
François Hild, Per-Lennart Larsson and **Frederick A. Leckie**	3221	Localization due to damage in fiber-reinforced composites
Joseph F. Zarzour	3239	On interacting cracks in unidirectional fibrous composites
C.-L. Tsai and **I. M. Daniel**	3251	The behavior of cracked cross-ply composite laminates under shear loading
T. Wierzbicki, S. U. Bhat, W. Abramowicz and **D. Brodkin**	3269	Alexander revisited—A two folding elements model of progressive crushing of tubes
Shen PengCheng, He PeiXing and **Le Yongxia**	3289	Vibration analysis of plates using the multivariable spline element method
		Announcement
	3297	IASS '93